UNITED STATES OF AMERICA
CIVIL AERONAUTICS BOARD
WASHINGTON, D. C

Regulations
Serial Number 157

TITLE: REDESIGNATION OF RADIO FIXES, CONTROL ZONES OF INTERSECTION, AND AIRWAY TRAFFIC CONTROL AREAS

Amendment No. 108 to C. A. R. amending Sections 60.22, 60.23 and 60.24.

Insert following p. 28, Part 60.

Effective June 1, 1941.

At a session of the Civil Aeronautics Board held at its office in Washington, D. C., on the 13th day of May, 1941.

Acting pursuant to the authority vested in it by the Civil Aeronautics Act of 1938, as amended, particularly sections 205(a) and 601(a) of said Act, and finding that its action is desirable in the public interest and is necessary to carry out the provisions of, and to exercise and perform its powers and duties under, said Act, the Civil Aeronautics Board amends the Civil Air Regulations as follows:

Effective June 1, 1941, Part 60 of the Civil Air Regulations is amended as follows:

1. By amending section 60.22 to read as follows:

"60.22 Control zones of intersection designation. The radio range station of the Civil Aeronautics Administration located at each of the following cities is designated as the center of a control zone of intersection: Albany, N. Y., Albuquerque, N. Mex.; Alma, Ga.; Amarillo, Tex.; Belgrade, Mont.; Billings, Mont.; Bismarck, N. Dak.; Boston, Mass.; Brownsville, Tex.; Burlington, Vt.; Charleston, S. C.; Cheyenne, Wyo.; Concord, N. H.; Corpus Christi, Tex.; Daytona Beach, Fla.; Denver, Colo.; Des Moines, Iowa; El Paso, Tex.; Fargo, N. Dak.; Grand Island, Nebr.; Great Falls, Mont.; Helena, Mont.; Houston, Tex.; Huron, S. Dak.; Jackson, Miss.; Jacksonville, Fla.; La Crosse, Wis.; Lake Charles, La.; Laramie, Wyo., Memphis, Tenn.; Melbourne, Fla., Miami, Fla.; Millinocket, Maine; Minneapolis, Minn.; Mobile, Ala.; New Orleans, La., Omaha, Nebr.; Orlando, Fla.; Portland, Maine; Raleigh, N. C., San Antonio, Tex.; Shreveport, La.; Sioux Falls, S. Dak.; Spokane, Wash.; Syracuse, N. Y.; Tallahassee, Fla.; Tampa, Fla.; Whitehall, Mont., Wichita, Kans."

2. By amending section 60.23 to read as follows:

"60.23 Radio fix designation. The following locations are designated as radio fixes:

60.23000 Green civil airway No. 1 (U. S. — Canadian border to Danforth, Maine) Millinocket, Maine, radio range station.

60.23001 Green civil airway No. 2 (Seattle, Wash., to Boston, Mass.) Seattle, Wash., radio range station; Easton, Wash., radio marker station; Ellensburg, Wash., radio range station; Ephrata, Wash., radio range station; Spokane, Wash., radio range station; Mullan Pass, Idaho, radio range station; Missoula, Mont., radio range station; Helena, Mont., radio range station; Belgrade, Mont., radio range station; Livingston, Mont., radio range station; Billings, Mont., radio range station; Custer, Mont., radio range station; Miles City, Mont., radio range station; Golva, N. Dak., radio range station; Dickinson, N. Dak., radio range station; Bismarck, N. Dak., radio range station;

Jamestown, N. Dak., radio range station; Fargo, N. Dak., radio range station; Alexandria, Minn., radio range station; Minneapolis, Minn., radio range station; La Crosse, Wis., radio range station; Lone Rock, Wis., radio range station; Milwaukee, Wis., radio range station; Grand Rapids, Mich., radio range station; Lansing, Mich., radio range station; Wixom, Mich., fan type radio marker station; or the intersection of the center lines of the on course signals of the north leg of Detroit, Mich. (Wayne County Airport), radio range and the east leg of the Lansing, Mich., radio range; Detroit, Mich. (Wayne County Airport), radio range station; Buffalo, N. Y., radio range station; the intersection of the center lines of the on course signals of the east leg of the Buffalo, N. Y., radio range and the southwest leg of the Rochester, N. Y., radio range; Syracuse, N. Y., radio range station; Utica, N. Y., radio range station; Albany, N. Y., radio range station; Westfield, Mass., radio range station; the intersection of the center lines of the on course signals of the east leg of the Westfield, Mass., radio range and the southwest leg of the Boston, Mass., radio range; Boston, Mass., radio range station.

60.23002 Green civil airway No. 3 (San Francisco, Calif. to New York, N. Y.)
Oakland, Calif., radio range station; Sacramento, Calif., radio range station; Donner Summit, Calif., radio range station; Reno, Nev., radio range station; Humboldt, Nev., radio range station; Buffalo Valley, Nev., radio range station; Elko, Nev., radio range station; Wendover, Utah, radio range station; Salt Lake City, Utah, radio range station; Ogden, Utah, radio range station; Fort Bridger, Wyo., radio range station; Rock Springs, Wyo., radio range station; Parco, Wyo., radio range station; Cheyenne, Wyo., radio range station; Sidney, Nebr., radio range station; North Platte, Nebr., radio range station; Grand Island, Nebr., radio range station; Omaha, Nebr., radio range station; Des Moines, Iowa, radio range station; Moline, Ill., radio range station; the intersection of the center lines of the on course signals of the east leg of the Moline, Ill., radio range and the north leg of the Morse, Ill., radio range; Newark, Ill., fan type radio marker station, or the intersection of the center lines of the on course signals of the southwest leg of the Chicago, Ill., radio range and the east leg of the Moline, Ill., radio range; Chicago, Ill., radio range station; the intersection of the center lines of the on course signals of the southeast leg of the Chicago, Ill., radio range and the west leg of the Goshen, Ind., radio range; McCool, Ind., fan type radio marker station, or the McCool, Ind., radio marker station; Goshen, Ind., radio range station; Toledo, Ohio, radio range station; Cleveland, Ohio, radio range station; the intersection of the center lines of the on course signals of the east leg of the Cleveland, Ohio, radio range and the northeast leg of the Akron, Ohio, radio range; Mercer, Pa., radio range station; Bellefonte, Pa., radio range station; the intersection of the center lines of the on course signals of the north leg of the Harrisburg, , Pa., radio range and the east leg of the Bellefonte, Pa., radio range; Allentown, Pa., radio range station; the intersection of the center lines of the on course signals of the east leg of the Allentown, Pa., radio range and the southwest leg of the Newark, N. J., radio range; the intersection of the center lines of the on course signals of the southeast leg of the Newark, N. J., radio range and the south leg of the New York, N. Y., (NewYork, La Guardia Field) radio range; New York, N.Y., (New York, La Guardia Field) radio range station.

60.23003 Green civil airway No. 4 (Los Angeles, Calif., to Philadelphia, Pa.). Los Angeles, Calif., radio range station; the intersection of the center lines of the on course signals of the north leg of the Los Angeles, Calif., radio range and the southwest leg of the Palmdale, Calif., radio range, or Newhall, Calif., radio range station; Palmdale, Calif., radio range station; the intersection of the center lines of the on course signals of the west leg of the Daggett, Calif., radio range and the north leg of the Riverside, Calif., radio range; Daggett, Calif., radio range station; Kingman, Ariz., radio range station; the intersection of the center lines of the on course signals of the east leg of the Kingman, Ariz., radio range and the southeast leg of the Ashfork, Ariz., radio range; Winslow, Ariz., radio range station; El Morro, N. Mex., radio range station; Acomita, N. Mex., radio range station; Albuquerque, N. Mex., radio range station; Otto, N. Mex., radio range station; Tucumcari, N. Mex., radio range station; Amarillo, Tex., radio range station; Gage, Okla., radio range station; Wichita, Kans., radio range station; Lebo, Kans., radio range station; Eudora, Kans., fan type radio marker station, or the intersection of the center lines of the on course signals of the northeast leg of the Chanute, Kans., radio range and the southwest leg of the Kansas City, Mo., radio range; Kansas City, Mo., radio range station; Columbia, Mo., radio range station; New Florence, Mo., radio marker station; Wentzville, Mo., fan type radio marker station, or the intersection of the center lines of the on course signals of the west leg of the St. Louis, Mo., radio range and the northeast leg of the Spring Bluff, Mo., radio range; St. Louis, Mo., radio range station; Effingham, Ill., radio range station; Terre Haute, Ind., radio range station; Indianapolis, Ind., radio range station; Dayton, Ohio, radio range station; the intersection of the center lines of the on course signals of the north leg of the Dayton, Ohio, radio range and the west leg of the Columbus, Ohio, radio range; Columbus, Ohio, radio range station; Cambridge, Ohio, radio marker station; Hickory, Pa., fan type radio marker station, or the intersection of the center lines of the on course signals of the west leg of the Pittsburgh, Pa., radio range and the southeast leg of the Akron, Ohio, radio range; Pittsburgh, Pa., radio range station; New Alexandria, Pa., fan type radio marker station, or the intersection of the center lines of the on course signals of the northeast leg of the Pittsburgh, Pa., radio range and the west leg of the Cove Valley, Pa., radio range; Summerhill, Pa., fan type radio marker station, or the intersection of the center lines of the on course signals of the north leg of the Buckstown, Pa., radio range and the west leg of the Cove Valley, Pa., radio range; Cove Valley, Pa., radio range station; Harrisburg, Pa., radio range station; the intersection of the center lines of the on course signals of the east leg of the Harrisburg, Pa., radio range and the southwest leg of the Allentown, Pa., radio range; Philadelphia, Pa., radio range station.

60.23004 Green civil airway No. 5 (Los Angeles, Calif., to Washington, D. C.). Los Angeles, Calif., radio range station; Riverside, Calif., radio range station, the intersection of the center lines of the on course signals of the east leg of the Riverside, Calif., radio range and the north leg of the Indio, Calif., radio range; Blythe, Calif., radio range station; Phoenix, Ariz., radio range station; Tuscon, Ariz., radio range station; Cochise, N. Mex., radio range station; Rodeo, N. Mex., radio range station Columbus, N. Mex., radio range station; El Paso, Tex., radio range station; Salt Flat, Tex., radio range station; Wink, Tex., radio range station; Big Spring, Tex., radio

range station; Abilene, Tex., radio range station; the intersection of the center lines of the on course signals of the west leg of the Fort Worth, Tex., radio range and the northwest leg of the Waco, Tex., radio range; Fort Worth, Tex., radio range station; the intersection of the center lines of the on course signals of the northeast leg of the Fort Worth, Tex., radio range and the north leg of the Dallas, Tex., radio range; the intersection of the center lines of the on course signals of the north leg of the Tyler, Tex., radio range and the southwest leg of the Texarkana, Ark., radio range; Texarkana, Ark., radio range station; Little Rock, Ark., radio range station; Brinkley, Ark., radio range station; Memphis, Tenn., radio range station; Fisherville, Tenn., fan type radio marker station; or the intersection of the center lines of the on course signals of the northwest leg of the Muscle Shoals, Ala., radio range and the northeast leg of the Memphis, Tenn., radio range; Jacks Creek, Tenn., radio range station; Fairview, Tenn., fan type radio marker station, or the intersection of the center lines of the on course signals of the southwest leg of the Nashville, Tenn., radio range and the north leg of the Muscle Shoals, Ala., radio range; Nashville, Tenn., radio range station; Smithville, Tenn., radio range station; the intersection of the center lines of the on course signals of the northeast leg of the Chattanooga, Tenn., radio range and the west leg of the Knoxville, Tenn., radio range, Knoxville, Tenn., radio range station; Bristol, Tenn., radio range station; Pulaski, Va., radio range station; Roanoke, Va., radio range station; Gordonsville, Va., radio range station; Mason Springs, Md., fan type radio marker station, or the intersection of the center lines of the on course signals of the northeast leg of the Gordonsville, Va., radio range and the south leg of the Washington, D. C., radio range; Washington, D. C., radio range station.

60.23005 Green civil airway No. 6 (Corpus Christi, Tex., to Richmond, Va.) Corpus Christi, Tex., radio range station; Palacios, Tex., radio range station; the intersection of the center lines of the on course signals of the east leg of the Yoakum, Tex., radio range and the southwest leg of the Houston, Tex., radio range; Houston, Tex., radio range station; Beaumont, Tex., radio range station; Lake Charles, La., radio range station; New Orleans, La., radio range station; Mobile, Ala., radio range station; the intersection of the center lines of the on course signals of the east leg of the Birmingham, Ala., radio range and the southwest leg of the Atlanta, Ga., radio range; Atlanta, Ga., radio range station; the intersection of the center lines of the on course signals of the northeast leg of the Atlanta, Ga., radio range and the northwest leg of the Augusta, Ga., radio range; Spartanburg, S. C., radio range station; the intersection of the center lines of the on course signals of the southwest leg of the Greensboro, N. C., radio range and the north leg of the Charlotte, N. C., radio range, Greensboro, N. C., radio range station; Richmond, Va., radio range station.

60.23100 Amber civil airway No. 1 (San Diego, Calif., to U. S.-Canadian border) San Diego, Calif., radio range station; Oceanside, Calif., radio marker station; Santa Ana, Calif., radio range station; the intersection of the center lines of the on course signals of the north leg of the Santa Ana, Calif., radio range

and the east leg of the Los Angeles, Calif., radio range; Bakersfield, Calif., radio range station; Fresno, Calif., radio range station; Modesto, Calif., radio range station; Potrero hills, Calif., radio marker station; Williams, Calif., radio range station; Red Bluff, Calif., radio range station; Fort Jones, Calif., radio range station; Medford, Oreg., radio range station; Eugene, Oreg., radio range station; Portland, Oreg., radio range station; Toledo, Wash., radio range station; Everett, Wash., radio range station; Bellingham, Wash., radio range station.

60.23101 Amber civil airway No. 2 (Daggett, Calif., to U. S. — Canadian border). Silver Lake, Calif., radio range station; Las Vegas, Nev., radio range station; Mormon Mesa, Nev., radio range station; Enterprise, Nev., radio range station; Milford, Utah., radio range station; Delta, Utah, radio range station; Tintic, Utah, radio range station; Plymouth, Utah, radio range station; Pocatello, Idaho, radio range station; Idaho Falls, Idaho, radio range station; Dubois, Idaho, radio range station; Dillon, Mont., radio range station; Whitehall, Mont., radio range station; Great Falls, Mont., radio range station.

60.23102 Amber civil airway No. 3 (El Paso, Tex., to Great Falls, Mont.). The intersection of the center lines of the on course signals of the west leg of the El Paso, Tex., radio range and the south leg of the Eagle, N. Mex., radio range; Eagle, N, Mex., radio range station; the intersection of the center lines of the on course signals of the east leg of the Otto, N. Mex., radio range and the southwest leg of the Las Vegas, N. Mex., radio range; Las Vegas, N. Mex., radio range station; Trinidad, Colo., radio range station; Pueblo, Colo., radio range station; Denver, Colo., radio range station; Dacomo, Colo., fan type radio marker station, or the intersection of the center lines of the on course signals of the southeast leg of the Laramie, Wyo., radio range and the north leg of the Denver, Colo., radio range; Douglas, Wyo., radio range station; Casper, Wyo., radio range station; the intersection of the center lines of the on course signals of the north leg of the Casper, Wyo., radio range and the southeast leg of the Sheridan, Wyo., radio range; Sheridan, Wyo., radio range station; the intersection of the center lines of the on course signals of the northwest leg of the Billings, Mont., radio range and the southeast leg of the Lewistown, Mont., radio range; Lewistown, Mont., radio range station.

60.23103 Amber civil airway No. 4 (Brownsville, Tex., to Bismarck, N. Dak.). Brownsville, Tex., radio range station; the intersection of the center lines of the on course signals of the north leg of the Brownsville, Tex., radio range and the south west leg of the Corpus Christi, Tex., radio range; the intersection of the center lines of the on course signals of the west leg of the Yoakum, Tex., radio range and the south east leg of the San Antonio, Tex., radio range; San Antonio, Tex., radio range station; Austin, Tex., radio range station; Waco, Tex., radio range station; the intersection of the center lines of the on course signals of the northwest leg of the Waco, Tex., radio range and the south leg of the Fort Worth, Tex., radio range; the intersection of the center lines of the on course signals of the north leg of the Fort Worth, Tex., radio range and the southeast leg of the Wichita Falls, Tex., radio range; Gainesville, Tex.,

radio marker station; Oklahoma City, Okla., radio range station; Tulsa, Okla., radio range station; Chanute, Kans., radio range station; Sioux City, Iowa, radio range station; Sioux Falls, S. Dak., radio range station; Huron, S Dak., radio range station; Aberdeen, S. Dak., radio range station; the intersection of the center lines of the on course signals of the northwest leg of the Aberdeen, S. Dak., radio range and the southeast leg of the Bismarck, N. Dak., radio range.

60 23104 Amber civil airway No. 5 (New Orleans, La., to Milwaukee, Wis.) Tylertown, Miss., radio range station; Jackson, Miss., radio range station; Greenwood, Miss., radio range station, Advance, Mo., radio range station; the intersection of the center lines of the on course signals of the north leg of the St. Louis, Mo., radio range and the southwest leg of the Springfield, Ill., radio range; Springfield, Ill., radio range station; Joliet, Ill., radio range station

60.23105 Amber civil airway No 6 (Jacksonville, Fla., to Buffalo, N Y.) Jacksonville, Fla., radio range station; Alma, Ga., radio range station; Macon, Ga., radio range station; Chattanooga, Tenn., radio range station; the intersection of the center lines of the on course signals of the northwest leg of the Nashville, Tenn., radio range and the southwest leg of the Smiths Grove, Ky., radio range; Smiths Grove, Ky., radio range station; Louisville, Ky., radio range station; Cincinnati, Ohio, radio range station; the intersection of the center lines of the on course signals of the northwest leg of the Cincinnati, Ohio, radio range and the southwest leg of the Dayton, Ohio, radio range; Hayesville, Ohio, radio marker station; Erie, Pa., radio range station.

60.23106 Amber civil airway No. 7 (Key West, Fla., to Caribou, Maine). Key West, Fla., radio range station; Miami, Fla., radio range station; Melbourne, Fla., radio range station; Daytona Beach, Fla., radio range station; Savannah, Ga., radio range station; Charleston, S C., radio range station; Florence, S. C., radio range station; Raleigh, N. C., radio range station; Baltimore, Md., radio range station; Newark, N. J., radio range station; Port Chester, N. Y., fan type radio marker station, or the intersection of the center lines of the on course signals of the south leg of the New Hackensack, N. Y., radio range and the northeast leg of the Newark, N. J., radio range; Hartford, Conn., radio range station; Portland, Maine, radio range station; Augusta, Maine, radio range station; Bangor, Maine, radio range station; Caribou, Maine, radio range station.

60.23200 Red civil airway No. 1 (Portland, Oreg., to Salt Lake City, Utah). The intersection of the center lines of the on course signals of the northeast leg of the Northdalles, Wash., radio range and the west leg of the Arlington, Oreg., radio range; Arlington, Oreg., radio range station; Pendleton, Oreg., radio range station; Baker, Oreg., radio range station; Boise, Idaho, radio range station; Burley, Idaho, radio range station; Locomotive Springs, Utah, radio range station.

60.23201 Red civil airway No. 2 (Whitehall, Mont., to Belgrade, Mont.). No radio fix designation.

60.23202 Red civil airway No. 3 (Philadelphia, Pa., to New York, N. Y.). No radio fix designation.

60.23203 Red civil airway No. 4 (Dallas, Tex., to Shreveport, La.). Tyler, Tex., radio range station.

60.23204 Red civil airway No. 5 (Sioux Falls, S. Dak., to Minneapolis, Minn.). No radio fix designation.

60.23205 Red civil airway No. 6 (Parco, Wyo., to Grand Island, Nebr.). Laramie, Wyo., radio range station; Akron, Colo., radio range station; Hayes Center, Nebr., radio range station.

60.23206 Red civil airway No. 7 (Spartanburg, S. C., to Greensboro, N. C.). Charlotte, N. C., radio range station.

60.23207 Red civil airway No. 8 (Concord, N. H., to Portland, Maine). Concord, N. H., radio range station.

60.23208 Red civil airway No. 9 (Tallahassee, Fla., to Alma, Ga.) No radio fix designation

60.23209 Red civil airway No. 10 (Amarillo, Tex., to Charleston, S. C.). Clarendon, Tex., radio range station; Wichita Falls, Tex., radio range station; Dallas, Tex., radio range station; the intersection of the center lines of the on course signals of the east leg of the Dallas, Tex., radio range and the northwest leg of the Tyler, Tex., radio range; the intersection of the center lines of the on course signals of the north leg of the Tyler, Tex., radio range and the west leg of the Shreveport, La., radio range; Shreveport, La., radio range station; Monroe, La., radio range station; Meridian, Miss., radio range station; Birmingham, Ala., radio range station; Augusta, Ga., radio range station.

60.23210 Red civil airway No. 11 (Tulsa, Okla., to St. Louis, Mo.). Neosho, Mo., radio range station; Springfield, Mo., radio range station; Spring Bluff, Mo., radio range station.

60.23211 Red civil airway No. 12 (Kansas City, Mo., to Detroit, Mich.). Kirksville, Mo., radio range station; Burlington, Iowa, radio range station; Morse, Ill., radio range station; South Bend, Ind., radio range station; the intersection of the center lines of the on course signals of the south leg of the Lansing, Mich., radio range and the west leg of the Detroit, Mich., (Wayne County Airport), radio range.

60.23212 Red civil airway No. 13 (Westfield, Mass., to Boston, Mass.). Providence, R. I., radio range station.

60.23213 Red civil airway No. 14 (Lone Rock, Wis., to Louisville, Ky.). Rockford, Ill., radio range station; Lafayette, Ind., radio range station.

60.23214 Red civil airway No. 15 (Las Vegas, Nev., to Phoenix, Ariz.). No radio fix designation.

60.23215 Red civil airway No. 16 (Augusta, Ga., to Charleston, S. C.). Columbia, S. C., radio range station.

60.23216 Red civil airway No. 17 (Martinsburg, W. Va., to Baltimore, Md.). No radio fix designation.

60.23217 Red civil airway No. 18 (Indianapolis, Ind., to Washington, D. C.). Huntington, W. Va., radio range station; Charleston, W. Va., radio range station; Elkins, W. Va., radio range station; Front Royal, Va., radio range station.

60.23218 Red civil airway No. 19 (Dayton, Ohio, to Grand Rapids, Mich.). Fort Wayne, Ind., radio range station.

60.23219 Red civil airway No. 20 (Detroit, Mich., to Washington, D. C.). Akron, Ohio, radio range station; Scottdale, Pa., fan type radio marker station, or the intersection of the center lines of the on course signals of the west leg of the Buckstown, Pa., radio range, and the southeast leg of the Pittsburgh, Pa., radio range; the intersection of the center lines of the on course signals of the south leg of the Buckstown, Pa., radio range and the southeast leg of the Pittsburgh, Pa., radio range; Martinsburg, W. Va. radio range station; Herndon, Va., fan type radio marker station, or the intersection of the center lines of the on course signals of the east leg of the Front Royal, Va., radio range and the northwest leg of the Washington, D. C., radio range.

60.23220 Red civil airway No. 21 (Detroit, Mich., to Woodward, Pa.). The intersection of the center lines of the on course signals of the southeast leg of the Detroit, Mich. (Wayne County Airport), radio range and the west leg of the Cleveland, Ohio, radio range; the intersection of the center lines of the on course signals of the west leg of the Cleveland, Ohio, radio range and the northwest leg of the Akron, Ohio, radio range; the intersection of the center lines of the on course signals of the northwest leg of the Pittsburgh, Pa., radio range and the south leg of the Mercer, Pa., radio range; the intersection of the center lines of the on course signals of the northeast leg of the Pittsburgh, Pa., radio range and the north leg of the Buckstown, Pa., radio range.

60.23221 Red civil airway No. 22 (Roanoke, Va., to Gordonsville, Va.). Lynchburg, Va., radio range station.

60.23300 Blue civil airway No. 1 (Pendleton, Oreg., to Spokane, Wash.). No radio fix designation.

60.23301 Blue civil airway No. 2 (Birmingham, Ala., to Erie, Pa.) The intersection of the center lines of the on course signals of the east leg of the Birmingham, Ala., radio range and the southwest leg of the Chattanooga, Tenn., radio range.

60.23302 Blue civil airway No. 3 (Memphis, Tenn., to Tampa, Fla.). Muscle Shoals, Ala., radio range station; the intersection of the center lines of the on course signals of the south east leg of the Muscle Shoals, Ala., radio range and the north leg of the Birmingham, Ala., radio range; Dothan, Ala., radio range station; the intersection of the center lines of the on course signals of the east leg of the Tallahassee, Fla., radio range and the northwest leg of the Cross City, Fla., radio range; Cross City, Fla., radio range station; the intersection of the center lines of the on course signals of the southeast leg of the Cross City, Fla., radio range and the north leg of the Tampa, Fla., radio range.

60.23303 Blue civil airway No. 4 (Boston, Mass., to Rouses Point, N. Y.). Burlington, Vt., radio range station.

60.23304 Blue civil airway No. 5 (Galveston, Tex., to Wichita, Kans.). Galveston, Tex., radio range station; Navasota, Tex., radio range station; the intersection of the center lines of the on course signals of the northeast leg of the Waco, Tex., radio range and the south leg of the Dallas, Tex., radio range.

60.23305 Blue civil airway No. 6 (Abilene, Tex., to Oklahoma City, Okla.). No radio fix designation.

60.23306 Blue civil airway No. 7 (Springfield, Ill., to Morse, Ill.). Peoria, Ill., radio range station.

60.23307 Blue civil airway No. 8 (Fargo, N. Dak., to U. S. - Canadian border). Grand Forks, N. Dak., radio range station; Pembina, N. Dak., radio range station.

60.23308 Blue civil airway No. 9 (Columbia, Mo. to La Crosse, Wis.). The intersection of the center lines of the on course signals of the northwest leg of the Kirksville, Mo., radio range and the south leg of the Des Moines, Iowa, radio range; the intersection of the center lines of the on course signals of the north leg of the Des Moines, Iowa, radio range and the southwest leg of the La Crosse, Wis., radio range.

60.23309 Blue civil airway No. 10 (Modesto, Calif., to Williams, Calif.) No radio fix designation.

60.23310 Blue civil airway No. 11 (Muscle Shoals, Ala., to Nashville, Tenn.). No radio fix designation.

60.23311 Blue civil airway No. 12 (Northdalles, Wash., to Ellensburg, Wash.). Northdalles, Wash., radio range station; the intersection of the center lines of the on course signals of the northeast leg of the Northdalles, Wash., radio range and the south leg of the Ellensburg, Wash., radio range.

60.23312 Blue civil airway No. 13 (Lake Charles, La., to Texarkana, Ark.). The intersection of the center lines of the on course signals of the north leg of the Lake Charles, La., radio range and the southeast leg of the Shreveport, La., radio range; the intersection of the center lines of the on course signals of the northwest leg of the Shreveport, La., radio range and the southwest leg of the Texarkana, Ark., radio range.

60.23313 Blue civil airway No. 14 (Riverside, Calif., to Bakersfield, Calif.). The intersection of the center lines of the on course signals of the north leg of the Riverside, Calif., radio range and the southeast leg of the Palmdale, Calif., radio range; the intersection of the center lines of the on course signals of the northwest leg of the Palmdale, Calif., radio range and the south leg of the Bakersfield, Calif., radio range.

60.23314 Blue civil airway No. 15 (Columbus, Ohio, to Erie, Pa.). The intersection of the center lines of the on course signals of the northeast leg of the Akron, Ohio, radio range and the southwest leg of the Erie, Pa., radio range.

60.23315 Blue civil airway No. 16 (Dillon, Mont., to Helena, Mont.). Butte, Mont., radio range station.

60.23316 Blue civil airway No. 17 (Blythe, Calif., to Kingman, Ariz.). Needles, Calif., radio range station.

60.23317 Blue civil airway No. 18 (Newark, N. J., to Burlington, Vt.). New Hackensack, N. Y., radio range station.

60.23318 Blue civil airway No. 19 (Orlando, Fla., to Melbourne, Fla.). No radio fix designation."

3. By amending section 60.24 to read as follows:

"60.24 Airway traffic control area designation. The following part, or parts, of the civil airways are designated as airway traffic control areas:

60.240 Extent of area. Wherever a point hereinafter prescribed for the purpose of the designating of an airway traffic control area coincides with a point specified by the Administrator in designating the center line of an airway, such airway traffic control area shall include all of the airway within a 10-mile radius of such point.

60.2400 Green civil airway No. 1 airway traffic control areas (U. S. Canadian border to Danforth, Maine). No designation.

60.2401 Green civil airway No. 2 airway traffic control areas (Seattle, Wash., to Boston, Mass.). Those portions of green civil airway No. 2: From Boeing Field, Seattle, Wash., to a line extended at right angles across such airway through a point on the center line thereof 25 miles east of Ellensburg, Wash.; from a line extended at right angles across such airway through a point on the center line thereof 25 miles southeast of the La Crosse, Wis., radio range station, to the intersection of the center line of the on course signal of the east leg of the Detroit, Mich. (Wayne County Airport), radio range and the U. S. Canadian border; from the intersection of the center line of the on course signal of the west leg of the Buffalo, N. Y., radio range and the U. S. -- Canadian border, to a line extended at right angles across such airway through a point on the center line thereof 25 miles east of the Buffalo, N. Y., radio range station.

60.2402 Green civil airway No. 3 airway traffic control areas (San Francisco, Calif., to New York, N. Y.). Those portions of green civil airway No. 3: From the Municipal Airport, San Francisco, Calif., to a line extended at right angles across such airway through a point on the center line thereof 25 miles west of the Parco, Wyo., radio range station; from a line extended at right angles across such airway through a point on the center line thereof 25 miles east of the Des Moines, Iowa, radio range station, to the New York Municipal Airport, La Guardia Field, New York, N. Y.

60.2403 Green civil airway No. 4 airway traffic control areas (Los Angeles, Calif., to Philadelphia, Pa.). Those portions of green civil airway No. 4: From the Municipal Airport, Los Angeles, Calif., to a line extended at right angles across such airway through a point on the center line thereof 25 miles east of the Ashfork, Ariz., radio range station; from a line extended at right angles across such airway through a point on the center line thereof 25 miles northeast of the Wichita, Kans., radio range station, to the Municipal Airport, Philadelphia, Pa.

60.2404 Green civil airway No. 5 airway traffic control areas (Los Angeles, Calif., to Washington, D. C.). Those portions of green civil airway No. 5: From the Los Angeles, Calif., radio range station, to a line extended at right angles across such airway through a point on the center line thereof 25 miles south of the Phoenix, Ariz., radio range station; from a line extended at right angles across such airway through a point on the center line thereof 25 miles east of the Big Spring, Tex., radio range station, to a line extended at right angles across such airway through a point on the center line thereof 25 miles southwest of the Little Rock, Ark., radio range station; from a line extended at right angles across such airway through a point on the center line thereof 25 miles northeast of the Jacks Creek, Tenn., radio range station, to the Washington National Airport, Washington, D. C.

60.2405 Green civil airway No. 6 airway traffic control areas (Corpus Christi, Tex., to Richmond, Va.). That portion of green civil airway No. 6; From a line extended at right angles across such airway through a point on the center line thereof 25 miles northeast of the Mobile, Ala., radio range station, to the Municipal Airport, Richmond, Va.

60.2410 Amber civil airway No. 1 airway traffic control areas (San Diego, Calif., to the U. S. -- Canadian border). Those portions of amber civil airway No. 1: From the Municipal Airport, San Diego, Calif., to the U. S. -- Canadian border.

60.2411 Amber civil airway No. 2 airway traffic control areas (Daggett, Calif. to U. S. Canadian border). That portion of amber civil airway No. 2: From the Daggett, Calif., radio range station, to a line extended at right angles across such airway through a point on the center line thereof 25 miles south of the Dillon, Mont., radio range station.

60.2412 Amber civil airway No. 3 airway traffic control areas (El Paso, Tex., to Great Falls, Mont.). No designation.

60.2413 Amber civil airway No. 4 airway traffic control areas (Brownsville, Tex., to Bismarck, N. Dak.). Those portions of amber civil airway No. 4: From a line extended at right angles across such airway through a point on the center line thereof 25 miles northeast of the Austin, Tex., radio range station, to a line extended at right angles across such airway through a point on the center line thereof 25 miles south of the Omaha, Nebr., radio range station.

60.2414 Amber civil airway No. 5 airway traffic control areas (New Orleans, La., to Milwaukee, Wis.). Those portions of amber civil airway No. 5: From a line extended at right angles across such airway through a point on the center line thereof 25 mile north of the Memphis, Tenn., radio range station to the Milwaukee, Wis., radio range station.

60.2415 Amber civil airway No. 6 airway traffic control areas (Jacksonville, Fla., to Buffalo, N. Y.). Those portions of amber civil airway No. 6: From a line extended at right angles across such airway through a point on the center line thereof 25 miles northwest of the Alma, Ga., radio range station, to the Buffalo, N. Y., radio range station.

60.2416 Amber civil airway No. 7 airway traffic control areas (Key West, Fla., to Caribou, Maine). Those portions of amber civil airway No. 7: From a line extended at right angles across such airway through a point on the center line thereof 25 miles north of the Raleigh, N. C., radio range station, to a line extended at right angles across such airway through a point on the center line thereof 25 miles northeast of the Hartford, Conn., radio range station.

60.24200 Red civil airway No. 1 airway traffic control areas (Portland, Oreg., to Salt Lake City, Utah). All of red civil airway No. 1.

60.24201 Red civil airway No. 2 airway traffic control areas (Whitehall, Mont., to Belgrade, Mont.). No designation.

60.24202 Red civil airway No. 3 airway traffic control areas (Philadelphia, Pa., to New York, N. Y.). All of red civil airway No. 3.

60.24203 Red civil airway No. 4 airway traffic control areas (Dallas, Tex., to Shreveport, La.). All of red civil airway No. 4.

60.24204 Red civil airway No. 5 airway traffic control areas (Sioux Falls, S. Dak., to Minneapolis, Minn.) No designation.

60.24205 Red civil airway No. 6 airway traffic control areas (Parco, Wyo., to Grand Island, Nebr.) No designation.

60.24206 Red civil airway No. 7 airway traffic control areas (Spartanburg, S. C., to Greensboro, N. C.) All of red civil airway No. 7.

60.24207 Red civil airway No. 8 airway traffic control areas (Concord, N. H., to Portland, Maine). No designation.

60.24208 Red civil airway No. 9 airway traffic control areas (Tallahassee, Fla., to Alma., Ga.). No designation.

60.24209 Red civil airway No. 10 airway traffic control areas (Amarillo, Tex., to Charleston, S. C.). Those portions of red civil airway No. 10: From a line extended at right angles across such airway through a point on the center line thereof 25 miles northwest of the Clarendon, Tex., radio range station, to a line extended at right angles across such airway through a point on the center line thereof 25 miles west of the Shreveport, La., radio range station; from a line extended at right angles across such airway through a point on the center line thereof 25 miles east of the Jackson, Miss., radio range station, to a line extended at right angles across such airway through a point on the center line thereof 25 miles west of the Charleston, S. C., radio range station.

60.24210 Red civil airway No. 11 airway traffic control areas (Tulsa, Okla., to St. Louis, Mo.). All of red civil airway No. 11.

60.24211 Red civil airway No. 12 airway traffic control areas (Kansas City, Mo. to Detroit, Mich.). All portions of red civil airway No. 12.

60.24212 Red civil airway No. 13 airway traffic control areas (Westfield, Mass., to Boston, Mass.). That portion of red civil airway No. 13: From a line extended at right angles across such airway through a point on the center line thereof 25 miles northwest of the Hartford, Conn., radio range station, to a line extended at right angles across such airway through a point on the center line thereof 25 miles east of the Hartford, Conn., radio range station.

60.24213 Red civil airway No. 14 airway traffic control areas (Lone Rock, Wis., to Louisville, Ky.). All portions of red civil airway No. 14.

60.24214 Red civil airway No. 15 airway traffic control areas (Las Vegas, Nev., to Phoenix, Ariz.) All portions of red civil airway No. 15.

60.24215 Red civil airway No. 16 airway traffic control areas (Augusta, Ga., to Charleston, S. C.). That portion of red civil airway No. 16: From the Augusta, Ga., radio range station, to a line extended at right angles across such airway through a point on the center line thereof 25 miles northwest of the Charleston, S. C., radio range station.

60.24216 Red civil airway No. 17 airway traffic control areas (Martinsburg, W. Va., to Baltimore, Md.). All of red civil airway No. 17.

60.24217 Red civil airway No. 18 airway traffic control areas (Indianapolis, Ind., to Washington, D. C.). All of red civil airway No. 18.

60.24218 Red civil airway No. 19 airway traffic control areas (Dayton, Ohio, to Grand Rapids, Mich.). All of red civil airway No. 19.

60.24219 Red civil airway No. 20 airway traffic control areas (Detroit, Mich., to Washington, D. C.). All portions of red civil airway No. 20.

60.24220 Red civil airway No. 21 airway traffic control areas (Detroit, Mich., to Woodward, Pa.). All portions of red civil airway No. 21.

60.24221 Red civil airway No. 22 airway traffic control areas (Roanoke, Va., to Gordonsville, Va.). All of red civil airway No. 22.

60.24222 Red civil airway No. 23 airway traffic control areas (Buffalo, N. .., to New York, N. Y.). All of red civil airway No. 23.

60.24223 Red civil airway No. 24 airway traffic control areas (Amarillo, Tex., to Oklahoma City, Okla.). That portion of red civil airway No. 24: From a line extended at right angles across such airway through a point on the center line thereof 25 miles east of the Amarillo, Tex., radio range station, to the Oklahoma City, Okla., radio range station.

60.24224 Red civil airway No. 25 airway traffic control areas (Daytona Beach, Fla., to Miami, Fla.). No designation.

60.24225 Red civil airway No. 26 airway traffic control areas (New York, N. Y., to Syracuse, N. Y.). No designation.

60.24226 Red civil airway No. 27 airway traffic control areas (Dayton, Ohio., to Detroit, Mich.). All of red civil airway No. 27.

60.24227 Red civil airway No. 28 airway traffic control areas (Chicago, Ill., to Grand Rapids, Mich.). All of red civil airway No. 28.

60.24228 Red civil airway No. 29 airway traffic control areas (Baltimore, Md., to Elmira, N. Y.). All of red civil airway No. 29.

60.24229 Red civil airway No. 30 airway traffic control areas (Mobile Ala., to Jacksonville, Fla.). No designation.

60.24230 Red civil airway No. 31 airway traffic control areas (Huron, S. Dak., to Minneapolis, Minn.). No designation.

60.24231 Red civil airway No. 32 airway traffic control areas (San Antonio, Tex., to Houston, Tex.). No designation.

60.24232 Red civil airway No. 33 airway traffic control areas (Harrisburg, Pa., to New York, N. Y.). All of red civil airway No. 33.

60.24233 Red civil airway No. 34 airway traffic control areas (Raleigh, N. C., to Pulaski, Va.). That portion of red civil airway No 34: From a line extended at right angles across such airway through a point on the center line thereof 25 miles east of Greensboro, N. C., radio range station to the Pulaski, Va., radio range station.

60.24300 Blue civil airway No. 1 airway traffic control areas (Pendleton, Oreg., to Spokane, Wash.). That portion of blue civil airway No. 1: From the Pendleton, Oreg., radio range station, to a line extended at right angles across such airway through a point on the center line thereof 25 miles northeast of the Pendleton, Oreg., radio range station.

60.24301 Blue civil airway No. 2 airway traffic control areas (Birmingham, Ala., to Erie, Pa.). All portions of blue civil airway No. 2.

60.24302 Blue civil airway No. 3 airway traffic control areas (Memphis, Tenn., to Tampa, Fla.). Those portions of the blue civil airway No. 3: From a line extended at right angles across such airway through a point on the center line thereof 25 miles northwest of the Muscle Shoals, Ala., radio range station, to a line extended at right angles across such airway through a point on the center line thereof 25 miles northwest of the Dothan, Ala., radio range station.

60.24303 Blue civil airway No. 4 airway traffic control areas (Boston, Mass., to Rouses Point, N. Y.). No designation.

60.24304 Blue civil airway No. 5 airway traffic control areas (Galveston, Tex., to Wichita, Kans.). Those portions of blue civil airway No. 5: From a line extended at right angles across such airway through a point on the center line thereof 25 miles northwest of the Navasota, Tex., radio range station, to a line extended at right angles across such airway through a point on the center line thereof 25 miles north of the Oklahoma City, Okla., radio range station.

60.24305 Blue civil airway No. 6 airway traffic control areas (Abilene, Tex., to Oklahoma City, Okla.). All of blue civil airway No. 6.

60.24306 Blue civil airway No. 7 airway traffic control areas (Springfield, Ill., to Morse, Ill.). All of blue civil airway No. 7.

60.24307 Blue civil airway No. 8 airway traffic control areas (Fargo, N. Dak., to U. S. - Canadian border). No designation.

60.24308 Blue civil airway No. 9 airway traffic control areas (Columbia, Mo., to La Crosse, Wis.). That portion of blue civil airway No. 9: From the Columbia, Mo., radio range station, to a line extended at right angles across such airway through a point on the center line thereof 25 miles south of the Des Moines, Iowa, radio range station.

60.24309 Blue civil airway No. 10 airway traffic control areas (Modesto, Calif., to Williams, Calif.). All of blue civil airway No. 10.

60.24310 Blue civil airway No. 11 airway traffic control areas (Muscle Shoals, Ala., to Nashville, Tenn.). All of blue civil airway No. 11.

60.24311 Blue civil airway No. 12 airway traffic control areas (Northdalles, Wash., to Ellensburg, Wash.). All of blue civil airway No. 12.

60.24312 Blue civil airway No. 13 airway traffic control areas (Lake Charles, La., to Texarkana, Ark.). That portion of blue civil airway No. 13: From a line extended at right angles across such airway through a point on the center line thereof 25 miles northwest of the Shreveport, La., radio range station to the intersection of the center lines of the on course signals of the northwest leg of the Shreveport, La., radio range and the southwest leg of the Texarkana, Ark., radio range.

60.24313 Blue civil airway No. 14 airway traffic control areas (Riverside, Calif. to Bakersfield, Calif.). All of blue civil airway No. 14.

60.24314 Blue civil airway No. 15 airway traffic control areas (Columbus, Ohio, to Erie, Pa.). All of blue civil airway No. 15.

60.24315 Blue civil airway No. 16 airway traffic control areas (Dillon, Mont., to Helena, Mont.). No designation.

60.24316 Blue civil airway No. 17 airway traffic control areas (Blythe, Calif., to Kingman, Ariz.). All of blue civil airway No. 17.

60.24317 Blue civil airway No. 18 airway traffic control areas (Newark, N. J., to Burlington, Vt.). From the intersection of the center lines of the on course signals of the northeast leg of the Newark, N. J., radio range and the south leg of the New Hackensack, N. Y., radio range, to a line extended at right angles across such airway through a point on the center line thereof 25 miles south of the Albany, N. Y., radio range station.

60.24318 Blue civil airway No. 19 airway traffic control areas (Melbourne, Fla., to Orlando, Fla.). No Designation."

By the Civil Aeronautics Board:

/s/ *Thomas G. Early*

Thomas G. Early
Secretary

(S E A L)

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